

### Amendment to the Claims

1. (Currently Amended) A single-sided multi-layer optical information recording medium comprising "n" (~~n ≥ 2~~) information layers, where  $n \geq 2$ , the information layers ~~which~~ are formed on a substrate and on and from which a signal can be recorded and reproduced by a laser beam that is applied through the substrate,

wherein an optical separating layer is formed between the information layers, each of the "n" information layers has a sector structure having sector address portions and data areas for recording information signals,

the sector address portions ~~portion~~ and the data areas ~~area~~ are divided in a circumferential direction,

the "n" information layers have the same sector structure, and

the sector address portions of each information layer do not overlap with at least the sector address portions of ~~an~~ the adjacent information layer(s) in a stack direction of ~~stack~~ of the information layers.

2. (Currently Amended) The optical information recording medium according to claim 1, wherein the sector address portions of each information layer do not overlap with sector address portions of any other of the information layers in the stack direction ~~of stack~~ of the information layers.

3. (Original) The optical information recording medium according to claim 1, wherein "n" = 2.

4. (Currently Amended) A method for producing an optical information recording medium comprising "n" (~~n~~ $\geq 2$ ) information layers, where "n"  $\geq 2$ , the information layers being which are formed on a substrate and on and from which layers a signal can be recorded and reproduced by a laser beam that is applied through the substrate, the method comprising which comprises:

forming each of the "n" the information layers so as to have layer which has a sector structure having sector address portions and data areas for recording information signals, the sector address portions~~portion~~ and the data areas~~area~~ being divided in a circumferential direction, wherein each of the information layers has the same sector structure;

forming an optical separating layer which is to be disposed between the information layers; and

positioning the sector address portions of each information layer so that they do not overlap with at least the sector address portions of the information layer(s) that is adjacent to the each information layer in a stack direction of ~~stack of the~~ information layers.